

Sustainability Technologies: Delivering decentralised systems to Regional Australia

27 OCTOBER 2011

Australia wide regional communities and businesses are facing rapidly increasing charges for energy, water, waste water treatment and the management of solid wastes. At the same time, public and private sector providers of these services have to confront the challenges of the delivery of these essential services in a carbon reduced economy.

Practical measures for mitigating greenhouse gas emissions and adapting to changing climatic conditions are rapidly progressing from concept to reality. Hard and soft sustainability technologies are available that can assist governmental and commercial enterprises to deliver decentralised essential services.

Already, these technologies are helping to equip regional Australia to better address climatically induced risks and threats by way of extreme storm events, flooding and prolonged droughts. In short, sustainability technologies provide a positive and proactive adaptive response to the challenges arising from global warming.

Specifically, sustainability technologies are helping to reduce the dependency on centralised electric power, water supply, sewage treatment and municipal waste services that are viewed by many as a constraint to economic development in peri-urban, rural and remote regions.

Showcasing Sustainability Technologies will be a feature at this year's national Sustainable Economic Growth for Regional Australia conference being conducted in Geelong from 25-27th October.



These themes will be addressed by representatives of cutting edge private and public enterprises who will showcase the hard and soft sustainability technologies for Delivering Decentralised Systems to Regional Australia.

- Integrated systems for water security and waste water treatment
- Urban solid wastes as an energy resource
- Decentralised community based energy and water services initiatives
- Optimising the opportunity to reduce greenhouse gas emissions in government and industry at the local and regional scales
- Training sustainability technologists



Facilitator

Assoc Prof Peter Waterman RFD
Faculty of Science, Health and Education,
University of the Sunshine Coast

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25-27 October 2011



SEGRA SUSTAINABILITY TECHNOLOGIES SHOWCASE: DELIVERING DECENTRALISED SYSTEMS TO REGIONAL AUSTRALIA

0830-0900 Tea/Coffee and Networking

0900-0930 **Welcome to Country and Workshop Introductions**

- Facilitator: Associate Professor Peter Waterman, University of the Sunshine Coast
- Co-Facilitator: Peter Henderson, Environmental Management Services Pty Ltd
- Rapporteur: Kathy Wood, University of the Sunshine Coast

0930-1100 **Session 1 Introducing Hard Technologies: integrated systems for water security, waste water treatment, urban solid wastes and wind energy**

- Craig Evans, Advanced Water Group (AWG): Introducing Nepsus IWS and energy from sewage sludge and urban solid wastes
- Michael Le Messurier, Eco Whisper Turbines

1100-1130 Morning tea/coffee and Networking

1130 1230 **Session 2 Applying Hard Technologies- Decentralised community based energy and water services initiatives**

- Roy Ramage, Can regional communities be energy providers? Towards a Victor Harbour Energy Co-op
- Peter Henderson, Community Water Company

1230-1300 **A Structured Conversation: How ready are we for decentralised systems?**

1300-1330 Lunch and Networking

1330-1500 **Session 3 Soft Technologies: tools and techniques in government and industry at the local and regional scales**

- Samantha Smith, City of Greater Geelong, Low Carbon Growth Plan for Greater Geelong
- Kathy Wood, Sustainability Auditing: Climate Adapted Urban Development (CAUD) as a case example
- Ashley Bland, Flannery Centre, Bathurst, Preparing for Hard and Soft Technologies: Training Sustainability Technologists

1500-1530 Afternoon Tea/ Coffee and networking

1530-1645 **Session 4 Bringing it all together: Facilitated Panel Session and Plenary Discussion: Chair: Cr Rod Macdonald, City of Greater Geelong**

1645-1700 **Summing Up**

Led by Associate Professor Peter Waterman and Peter Henderson with Kathy Wood as rapporteur for the SEGRA Communiqué.

REGISTRATION

SUSTAINABILITY TECHNOLOGIES: DELIVERING DECENTRALISED SYSTEMS TO REGIONAL AUSTRALIA 27 OCTOBER 2011 9am-5pm

Title: _____ First Name: _____ Surname: _____

Position: _____

Department: _____

Organisation: _____

Postal Address: _____

_____ Post Code: _____

Phone: () _____ Fax: () _____

Mobile: _____ Email: _____

Special needs (Access, dietary etc): _____

Preferred name for badge: _____

TOTAL \$675

PAYMENT METHOD: Invoice Credit Card

Credit Card Details

Visa Mastercard Amex

Name on Card _____

Card Number

Expiry Date /

Surcharges: Mastercard and Visa will attract 2.5% surcharge. Amex will attract 3.5% surcharge.